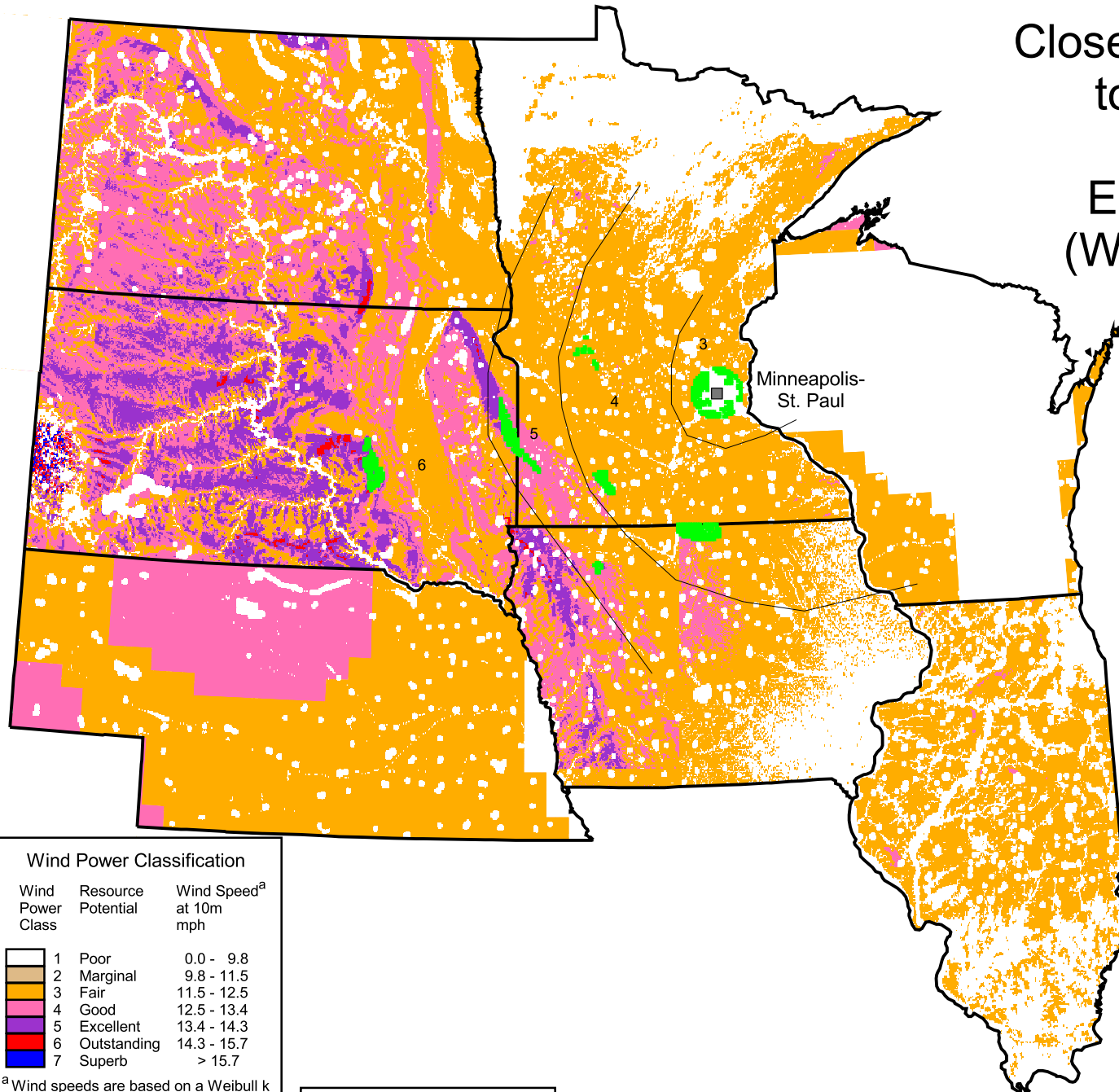


Closest Wind Resource to Meet 20% of Minneapolis's Electric Demand (With Competition)



Area Required by Each Power Class Alone

Class 3: 828 sq km
Class 4: 662 sq km
Class 5: 514 sq km
Class 6/7: 421 sq km

Wind Power Classification

Wind Power Class	Resource Potential	Wind Speed ^a at 10m mph
1	Poor	0.0 - 9.8
2	Marginal	9.8 - 11.5
3	Fair	11.5 - 12.5
4	Good	12.5 - 13.4
5	Excellent	13.4 - 14.3
6	Outstanding	14.3 - 15.7
7	Superb	> 15.7

^a Wind speeds are based on a Weibull k value of 2.0

■ Selected Wind Resource



U.S. Department of Energy
National Renewable Energy Laboratory

30-MAR-2004 1.3.1